

02100500 DEEP RIVER AT RAMSEUR, NC

LOCATION.--Lat 35°43'34", long 79°39'19", Randolph County, Hydrologic Unit 03030003, on right bank 0.2 mi downstream of Main Street bridge in Ramseur, 0.5 mi downstream of mill dam, and 1.5 mi downstream of Sandy Creek.

DRAINAGE AREA.--349 mi².

PERIOD OF RECORD.--November 1922 to current year.

REVISED RECORDS.--WSP 1032: 1923-24, 1925(M), 1926, 1927-28(M), 1929, 1930(M), 1932-33, 1934(M), 1935, 1936-37(M), 1944(M). WSP 1383: 1923(m), 1925, 1927, 1930, 1936. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 419.50 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Flow slightly regulated by Oak Hollow Reservoir (station 02098495), High Point Municipal Lake (station 02099096), and small power plant reservoirs. Prior to January 1963, diurnal fluctuation caused by power plant immediately upstream from station. Town of Asheboro diverted an average of 7.6 ft³/s from Yadkin River Basin for water supply and discharged an average of 9.1 ft³/s of treated effluent upstream from the station. Maximum discharge for period of record from rating curve extended above 18,000 ft³/s, on basis of slope-area measurement of peak flow; gage height, 34.04 ft. Minimum discharge for period of record occurred frequently in 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1901 reached a stage of 28.75 ft, from floodmarks, 0.2 mi upstream; discharge, 30,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	382	136	1,920	570	1,800	679	479	573	245	1,550	2,780
2	38	258	132	1,910	380	2,440	459	376	392	2,300	908	628
3	39	209	129	923	290	1,380	383	371	280	1,820	524	365
4	38	175	124	892	257	703	333	304	778	673	1,300	1,710
5	38	147	2,340	527	329	530	303	253	1,840	423	2,910	3,610
6	36	1,220	1,970	402	300	1,810	310	382	620	304	1,050	974
7	34	722	1,400	335	849	1,590	3,030	523	2,760	696	513	451
8	33	380	806	304	1,130	711	3,190	343	6,180	555	414	332
9	33	263	609	247	532	513	6,070	271	3,910	353	838	294
10	47	217	510	241	388	419	9,830	193	1,180	285	2,380	239
11	8,990	196	1,340	206	352	350	7,660	180	608	237	1,110	214
12	3,220	1,910	1,540	190	285	319	4,170	174	466	255	904	202
13	566	2,670	2,090	177	239	287	1,490	175	512	223	597	183
14	1,180	773	3,230	173	224	434	611	150	406	2,310	466	142
15	507	446	1,030	169	208	413	490	158	320	896	312	175
16	2,460	543	564	164	216	1,360	428	538	387	424	309	165
17	1,500	5,350	420	151	247	1,140	370	436	413	916	267	171
18	530	2,460	327	140	269	674	339	276	381	393	1,200	461
19	319	821	284	147	690	653	589	343	531	348	685	2,850
20	234	507	512	147	513	9,020	580	409	1,770	362	394	797
21	181	386	779	144	407	6,650	427	269	918	259	288	442
22	169	314	432	147	1,300	3,890	364	2,200	469	235	227	307
23	201	265	324	136	3,910	977	321	3,360	339	1,440	197	3,830
24	200	237	972	138	1,130	562	266	1,330	279	731	1,190	4,140
25	124	177	3,880	133	585	454	239	2,840	237	409	693	2,130
26	126	186	1,560	129	439	379	282	3,170	174	280	343	452
27	130	173	668	139	1,460	351	595	1,520	183	200	256	325
28	226	161	465	127	3,060	324	409	664	310	193	189	281
29	1,550	146	377	131	---	294	292	468	276	205	160	288
30	1,220	140	309	348	---	1,030	283	511	217	834	154	218
31	633	---	282	1,370	---	1,670	---	399	---	617	796	---
TOTAL	24,631	21,834	29,541	12,307	20,559	43,127	44,792	23,065	27,709	19,421	23,124	29,156
MEAN	795	728	953	397	734	1,391	1,493	744	924	626	746	972
MAX	8,990	5,350	3,880	1,920	3,910	9,020	9,830	3,360	6,180	2,310	2,910	4,140
MIN	29	140	124	127	208	287	239	150	174	193	154	142
CFSM	2.28	2.09	2.73	1.14	2.10	3.99	4.28	2.13	2.65	1.80	2.14	2.78
IN.	2.63	2.33	3.15	1.31	2.19	4.60	4.77	2.46	2.95	2.07	2.46	3.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2003, BY WATER YEAR (WY)

MEAN	212	217	344	550	650	650	501	292	218	222	208	250
MAX	1,193	1,237	1,050	1,660	1,642	1,842	1,493	944	978	1,434	896	1,934
(WY)	(1991)	(1986)	(1933)	(1937)	(1979)	(1975)	(2003)	(1978)	(1982)	(1975)	(1939)	(1928)
MIN	8.69	14.1	39.1	40.8	119	144	97.8	45.6	48.1	36.5	32.4	17.7
(WY)	(1942)	(1942)	(1934)	(1942)	(2002)	(1967)	(2002)	(2002)	(1933)	(1986)	(1956)	(1954)

CAPE FEAR RIVER BASIN

02100500 DEEP RIVER AT RAMSEUR, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1923 - 2003	
ANNUAL TOTAL	114,745		319,266			
ANNUAL MEAN	314		875		358	
HIGHEST ANNUAL MEAN					875 2003	
LOWEST ANNUAL MEAN					116 2002	
HIGHEST DAILY MEAN	8,990	Oct 11	9,830	Apr 10	27,800	Sep 18, 1945
LOWEST DAILY MEAN	13	May 17	29	Oct 1	0.70	Nov 29, 1941
ANNUAL SEVEN-DAY MINIMUM	24	Aug 10	36	Oct 3	3.6	Oct 19, 1941
MAXIMUM PEAK FLOW			15,500	Oct 11	43,000*	Sep 18, 1945
MAXIMUM PEAK STAGE			21.65	Oct 11	34.04*	Sep 18, 1945
INSTANTANEOUS LOW FLOW			23	Oct 1	0.40	May 27, 1941
ANNUAL RUNOFF (CFSM)	0.90		2.51		1.03	
ANNUAL RUNOFF (INCHES)	12.23		34.03		13.93	
10 PERCENT EXCEEDS	619		2,240		692	
50 PERCENT EXCEEDS	84		406		150	
90 PERCENT EXCEEDS	27		156		36	

* See REMARKS.

